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L3: Entry 6 of 8   File: USPT   Aug 9, 1994

DOCUMENT-IDENTIFIER: US 5337246 A
TITLE: Flexible apparatus and method for applying customized rating adjustments to
transaction charges

Brief Summary Text (17):
A second type of system customized rating by permitting a customer to enter
discount or surcharge fee amounts manually into the system. An example of this type
of system is discussed in U.S. Pat. No. 5,072,397, also assigned to the assignee of
the present invention and is herein incorporated by reference. U.S. Pat. No.
5,072,397, issued Dec. 10, 1991, to Barns-Slavin, et al., relates to a carrier
management system which enables determination of charges with discounts. Applicable
discounts are based upon a limited number of discount criteria as determined and
entered manually by the user for the transaction. Manual entering of adjustments to
the base rate proved to have very limited capability due to human error, user
tampering with rates, and length of time necessary to enter numerous discount
schemes for a transaction. Due to lack of integrity in a manifest generated as a
result of manual input in these prior systems, the carrier was required at
considerable cost to additionally audit and police the use of discounts as
implemented by the user/customer. The carrier would not be inclined to treat the
manifest as a billing document due to this lack of integrity. Typically auditing
procedures entailed cross-reference back to a contract previously negotiated
between the carrier and the shipper. Since cross-referencing required a manual look
up of the negotiated customized rate, the pattern of customized rate adjustments
offered by the carrier to the customer would be limited in scope in order that it
would be manageable for the carrier to conduct its auditing procedures. The carrier
would avoid offering numerous discount patterns to customers in efforts to ensure
less cumbersome auditing procedures and to prevent auditing procedures from
becoming error prone.

Detailed Description Text (17):
Referring now to FIG. 7, therein is illustrated the keyboard 14 of a preferred
carrier management shipping system in accordance with the invention. The keyboard
includes three sets 100, 200, 300 of keys. Each of the keys has a label printed
thereon corresponding to the primary function of the key. Secondary and tertiary
functions are printed above and below the keys showing additional functions that
depression of the associated keys may enable.

Detailed Description Text (49):
The system automatically continues by calculating the applicable Discount/Surcharge
Fee Rate for the given mail piece at step 112. It does so, without further user
input, by calling the Discount/Surcharge Processing Subroutine which will be
described later in greater detail below with reference to FIGS. 14 to 22. Rates
Subsystem 34 calls Discount/Surcharge Subsystem 38 to calculate the applicable
discounts and surcharges. After executing the Discount/Surcharge Processing
Subroutine, Discount/Surcharge Subsystem 38 returns the discounts and surcharges to
Rates Subsystem 34 and Rates Subsystem 34 reports the base charge, the discounts
and surcharges to the application software 32 for posting of all applicable charges
to the manifest file at step 114. The reported charges are also used to update the
user statistical report file at step 116.

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